MAR-11-2005 15:45 PRICE HENEVELD 616 957 8196 P.05

Applicant :

Per Persson et al.

Appln. No.

10/656,555

Page

2

In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (original) A method for controlling a multi-cylinder internal combustion engine having electronically controlled airflow comprising:

measuring an internal engine condition;

determining if the internal engine condition indicates a limited torque output condition, the limited torque output condition not being based on current ambient temperature or pressure conditions;

limiting a currently available maximum engine torque if the internal engine condition indicates the limited torque output condition;

determining a driver demanded torque based on a current accelerator pedal position; and

controlling the engine to deliver the driver demand torque if the internal engine condition does not indicate the limited torque output condition or to deliver a calibratable percentage of the currently available maximum torque if the internal engine condition indicates the limited torque output condition.

2. (original) The method for controlling a multi-cylinder internal combustion engine of claim 1, wherein:

the internal engine condition is engine knock.

3. (original) The method for controlling a multi-cylinder internal combustion engine of claim 2, wherein:

the internal engine condition is engine knock at full throttle.

4. (original) The method for controlling a multi-cylinder internal combustion engine of claim 1, wherein:

Applicant

Per Persson et al.

Appln. No.

10/656,555

Page

. 3

the multi-cylinder internal combustion engine further includes an electric motor having a battery having a maximum voltage output; and

the internal engine condition is a level of voltage output from the battery at a predetermined amount below the maximum voltage output.

5. (original) The method for controlling a multi-cylinder internal combustion engine of claim 1, wherein:

the internal engine condition is a working condition of the engine.

6. (original) The method for controlling a multi-cylinder internal combustion engine of claim 1, wherein:

the multi-cylinder internal combustion engine further includes a turbocharger; and the internal engine condition is a temperature of the turbocharger.

7. (original) The method for controlling a multi-cylinder internal combustion engine of claim 1, wherein:

the internal engine condition is a percentage of coolant in the engine.

8. (original) A method for controlling a multi-cylinder internal combustion engine having electronically controlled airflow comprising:

limiting a currently available maximum engine torque below maximum torque based on a limited torque output condition, the limited torque output condition not being based on current ambient temperature or pressure conditions;

determining a driver demanded torque based on a current throttle position; and controlling the engine to deliver the driver demand torque if the internal engine condition does not indicate the limited torque output condition or to deliver a calibratable percentage of the currently available maximum torque if the internal engine condition indicates a limited torque output condition.

P.07

Applicant

Per Persson et al.

Appln. No.

10/656,555

Page

9. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 8, wherein:

the internal engine limited torque output condition is engine knock.

10. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 9, wherein:

the internal engine- limited torque output condition is engine knock at full throttle.

11. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 8, wherein:

the multi-cylinder internal combustion engine further includes an electric motor having a battery having a maximum voltage output; and

the internal engine limited torque output condition is a level of voltage output from the battery at a predetermined amount below the maximum voltage output.

12. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 8, wherein:

the internal engine-limited torque output condition is a working condition of the engine.

13. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 8, wherein:

the multi-cylinder internal combustion engine further includes a turbocharger; and the internal engine-limited torque output condition is a temperature of the turbocharger.

14. (currently amended) The method for controlling a multi-cylinder internal combustion engine of claim 8, wherein:

616 957 8196

Applicant

Per Persson et al.

Appln. No.

10/656,555

Page

5

the internal engine- limited torque output condition is a percentage of coolant in the engine.

15. (original) A method for controlling an engine comprising: measuring a vehicle condition;

determining if the vehicle condition indicates a limited torque output condition whereby the torque output availability of the engine is below a maximum output availability of the engine, the limited torque output condition not being based on current ambient temperature or pressure conditions;

limiting a currently available maximum engine torque if the vehicle condition indicates the limited torque output condition;

determining a driver demanded torque based on a throttle position; and controlling the engine to deliver the driver demand torque if the vehicle condition does not indicate the limited torque output condition or to deliver a calibratable percentage of the currently available maximum torque if the vehicle condition indicates the limited torque output condition.

- 16. (currently amended) The method for controlling the engine of claim 15, wherein: the internal engine vehicle condition is engine knock at full throttle.
 - 17. (currently amended) The method for controlling the engine of claim 15, wherein: the multi-cylinder internal combustion engine further includes an electric motor having a battery having a maximum voltage output; and

the internal engine-vehicle condition is a level of voltage output from the battery at a predetermined amount below the maximum voltage output.

18. (currently amended) The method for controlling the engine of claim 15, wherein: the internal engine vehicle condition is a working condition of the engine.

Applicant : Per Persson et al. Appln. No. : 10/656,555

Page: 6

19. (currently amended) The method for controlling the engine of claim 15, wherein: the internal engine vehicle condition is a percentage of coolant in the engine.

20. (currently amended) The method for controlling the engine of claim 15, wherein: the multi-cylinder internal combustion engine further includes a turbocharger; and the internal engine vehicle condition is a temperature of the turbocharger.